

*Wind.*—Prevailing direction, west.—Under direction of the Franklin Institute, Philadelphia; T. F. Townsend, Sergeant, Signal Corps, assistant.

#### SOUTH CAROLINA.

##### SUMMARY.

*Temperature.*—The mean temperature for the month, 72.1, is 0.8 above the normal for the last three years. Highest monthly mean, 76.0, at Charleston; lowest monthly mean, 67.2, at Camden; maximum, 98, at Chester, 16th; minimum, 40, at Cedar Springs, 19th and 22d; range for state, 58. In most instances the highest maximum temperature occurred on the 15th and 16th and the minimum on the 19th and 20th.

*Precipitation.*—The average precipitation for the state, 3.34, is 1.42 below the normal for the last three years; greatest monthly, 7.37 at Walhalla; least monthly, 1.46, at Florence; greatest daily, 3.85, at Conway, on the 24th. Average number of rainy days, 5.2.

*Wind.*—Prevailing direction, southeast.—Hon. A. P. Butler, Columbia, director; H. C. Seymour, Private, Signal Corps, assistant.

#### TENNESSEE.

The principal meteorological feature for September was the unusual amount of rainfall. The temperature was very near the normal—slightly below. There were but few electrical disturbances—none very severe, and no high winds. The month, altogether, was rather a pleasant one, and very favorable for the farmer.

##### SUMMARY.

*Temperature.*—The mean temperature was 67.4, a little below the average September mean during the past seven years. The highest monthly mean was 75, at Bolivar, and the lowest was 62.6 at Fostoria. The maximum temperature was 95, on the 10th and 12th at Leeville, and on the 14th and 15th at Bolivar. The minimum temperature was 34.5, on the 28th at Lawrenceburg. The maximum temperature was generally recorded on the 15th and 16th, and the minimum, with few exceptions, on the 28th. The daily ranges of temperature were generally less than the normal.

*Precipitation.*—The average depth of rainfall was 5.94, a remarkable amount for September, being more than 2.50 above the average September rainfall for the past seven years. Of this amount the eastern division received much the largest portion, being an average of nearly 7.00. The middle division received an average of about 5.33, and the western division an average of a little more than 5.00. During the first five days of the month the rains were continuous, culminating on the 5th with a very heavy rainfall, averaging for the entire state more than 1.50. The next heavy rainfall began in the western division on the 15th, and ended on the 17th in a general heavy rain. From the 17th to the 30th there was but little rain, principally in the eastern division, where heavy local rains were reported. In the extreme eastern part of the state the rainfall was generally light, and the least monthly amount is reported at Greeneville, while in the central and lower portions of that division the rainfall was remarkably heavy—the greatest amounts being reported at Clinton, 9.91; Kingston, 9.63; Loudon, 8.30; Andersonville, 8.58; Grief, 8.60; Dunlap, in Sequatchie Valley, 8.69; Jacksboro, 7.64; Chattanooga, 7.87; Rockwood, 7.43; Charleston, 7.37; and other large amounts at various stations in that section of the state. The greatest local daily rainfall was 4.58 on the 16th at Andersonville, but perhaps the greatest local falls were at Nunnelly, on the 5th, where 4.20 fell in the space of eleven hours, and at Trenton, on the same day, where 3.44 fell in the space of twelve hours. Other heavy local daily falls are reported, as on the 2d at Bolivar, 2.80; on the 4th at McKenzie, 3.00; on the 5th at Cog Hill, 2.00; Grief, 4.00; Chattanooga, 2.02; Kingston Springs, 2.56; Clarksville, 2.02; Savannah, 2.32; Bolivar, 2.50; Covington, 2.48; on the 6th, Lookout Mountain, 2.25; on the 16th, Kingston Springs, 3.75; on the 17th, Springdale, 3.65; Jacksboro, 2.28; Rugby, 3.31; Dunlap, 3.21; Watkins, 2.25; Hohenwald, 2.62; on the 23d, Grief, 2.00; Dunlap, 2.09. There were nine days of general rains during the month, and about eight of local rains. Frosts occurred on eight days, all of them light, except that of the 28th, which did a small amount of damage.

*Wind.*—Prevailing direction, north and northwest.—J. D. Plunket, M. D., Nashville, director; H. C. Rate, Signal Corps, assistant.

#### TEXAS.

##### SUMMARY.

*Temperature.*—The mean temperature for the month of September was below the normal in all parts of the state, but the most marked deficiency occurred over the central portion, where in some localities it amounted to 6, and the smallest over the Panhandle and extreme western portion of the state, where it was from 1 to 2. The average temperature for the month over the state was 72, which is 3 below the 15-year normal. The highest temperature reported was 102, at Hartley, 9th, and the lowest, 32, from the same place, 25th. The temperature over the state was high during the first few days of the month, but after the 10th the weather was cool for the season, and a marked cool wave passed over the state from the 23d to the 27th.

*Precipitation.*—The rainfall during the month was unusually heavy east of the one-hundredth meridian; the amount over that section of the state being from 2.00 to 6.00 in excess of the 18-year normal. Over the western portion the precipitation was about normal. The number of dates on which rain fell during the month was unusually great over the entire state, and particularly over the eastern and southern portions, where it occurred quite generally on from ten to fifteen days. Three inches of snow fell at Folsom in the northwestern part of Panhandle on the 23d.—D. D. Bryan, Galveston, director; I. M. Cline, Sergeant, Signal Corps, assistant.

Meteorological record of Army post surgeons, voluntary, and other co-operating observers, September, 1889.

Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean.			Max.	Min.	Mean.	
Alabama.	o	o	o	Ins.	Arkansas—Cont'd.	o	o	o	Ins.
Bermuda f.	92	48*	72.3	3-14	Lead Hill.	94	40	68.2	4.33
Butler f.	92	44	68.9	2-78	Little Rock B'ks.	94	49	72.2	6.86
Citronelle* f.	100	49	79.4	7-97	Lonoke.	90	53	73.2	3.25
Columbianna f.	94	42	72.3	4-84	Monticello f.	94	50	74.0	2.40
Decatur (1) f.	94	42	69.5	9-23	Newport (1) f.	94	44	69.3	4.84
Decatur (2) f.	94	42	69.5	8-86	Newport (2) f.	94	44	65.3	5.14
Elkmont.	90	42	68.9	8-83	Osceola f.	92	46	67.1	3.80
Eufaula.	96	46	74.4	2-38	Ozone f.	82	44	65.8	8.08
Evergreen f.	95	45	75.0	4-32	Pine Bluff f.	92	50	72.8	0.21?
Fayette C. H. f.	91	44	70.7	3-80	Prescott f.	88	52	71.3	0.38?
Fort Deposit.	95	47	75.0	4-43	Russellville f.	93	48	70.8	6.14
Greensborough f.	99	52	74.8	1-91	Stuttgart f.	92	44	70.2	1.94
Livingston (1).	92	47	71.4	1-27	Texarkana f.	94	52	74.8	4.08
Livingston (2) f.	94	44	76.6	0-57	Washington f.	90	49	71.9	3.53
Marion f.	92	44	71.6	2-57	Winslow f.	83	36	65.0	7.15
Motest.	91*	45	75.0	6.38	British Columbia.				
Mount Willing*.	92	48	74.0	4-21	New Westminster.	79	40	56.7	3.69
Mt. Vernon B'ks.	98	47	75.2	6.36	California.				
Pine Applef.	92	40	72.6	0-67	Alcade.	106	60	80.5	0.00
Selma (2) f.	94	47	76.4	1-84	Alcatraz Island.	88	51	59.9	0.00
Tuscaloosa.	92	44	76.0	1-84	Almaden*.	97	52	71.3	0.00
Tuscumbia (1) f.	90	47	68.2	5-33	American Hill*.	98	48	67.0	0.76
Tuscumbia (2) f.	92	40	69.4	3-69	Anahiem*.	102	60	76.2	0.00
Union Springs.	95	48	73.0	2-53	Anderson f.	103	47	76.2	0.00
Untontown.	94	43	75.8	2-30	Angel Island.	95	50	65.0	0.00
Valley Head f.	89	36	66.2	6-44	Aplos*.	86	48	62.9	0.00
Wiggins.	99	55	80.4	4-39	Athione*.	108	55	77.9	0.00
Arizona.					Auburn*.	98	46	71.9	0.00
American Flag.					Bakersfield*.	98	63	79.3	0.00
Arizona Dam.					Barstow.	104	46	75.8	0.07
Ash Creek.					Beaumont*.	98	60	77.3	0.00
Banghart's.					Belmont*.	95	55	69.9	0.00
Benson*.	95	54	76.7	1-04	Benicia Barracks.	100	51	70.2	0.00
Bisbee.					Berkeley.	106	61	77.9	0.00
Buckeye.					Bishop Creek*.	102	55	76.7	0.00
Calabasas.					Borden*.	105	46	74.8	0.00
Casa Grande*.	109	68	84.7	0-50	Boulder Creek*.	100	39	65.7	0.00
Chloride.					Brentwood*.	100	58	72.6	0.00
Clifton.					Brighton*.	106	50	75.2	0.00
Cooley's Springs.					Byron*.	102	58	75.9	0.00
Cottonwood.					Cactus*.	110	72	91.3	0.10
Crittenden.					Castiloga*.	97	38	67.4	0.00
Dos Cabezas.					Castroville*.	84	46	63.5	0.00
Dragoon.					Centreville*.	104	56	71.6	0.00
Duncan.					Chico*.	103	53	77.9	0.00
Flagstaff*.	85	31	57.5	1-19	Cisco*.	82	39	59.4	0.00
Florence.	99	51	77.1	0-34	Coldgrove.				T.
Fort Apache.	90	32	65.0	0-89	Collax*.	97	54	72.6	0.00
Fort Bowie.	92	32	67.1	2-79	Colton*.	102	58	76.0	0.04
Fort Huachuca.	92	39	68.2	2-46	Corning*.	109	54	77.6	0.00
Fort Lowell.	101	45	76.3	3-32	Crescent City.				1.52
Fort McDowell.	108	51	81.4	0-60	Davissville*.	107	54	76.5	0.00
Fort Mojave.	113	55	82.7	0-00	Delano*.	106	64	82.3	0.00
Fort Verde.	99	38	71.8	0-69	Downey*.	96	56	72.4	0.84
Gila Bend*.	104	64	83.6	0-00	Dunnigan*.	99	60	74.8	0.00
Globe.	100	46	72.5	5-90	Edgewood*.	85	36	59.9	0.00
Holbrook*.	92	37	69.6	6-67	El Dorado*.	101	50	71.1	0.00
Lochiel*.	88	46	65.6	2-17	El Dorada*.	105	54	75.1	0.00
Maricopa*.	98	65	63.6	0-00	El Mirada*.	102	45	67.0	0.00
Mayer.					El Verano*.	102	44	64.4	0.00
Mesa City.					Esperanza*.	108	52	78.8	0.00
Mineral Park.					Evergreen.				
Mount Huachua.	93	43	69.6	3-04	Farmington*.	105	53	74.9	0.00
New River.	103	48	78.2	0-05	Felton*.	102	36	65.8	0.00
Oro.					Florence*.	98	57	72.5	0.00
Pantano*.	93	54	70.5	2-52	Folsom*.	103	56	76.8	0.00
Peoria.	108	50	82.0	0-90	Fort Bidwell.	90	32	60.7	0.00
Pinedale.					Fort Gaston.	95	29	60.5	T.
Red Rock.					Fort Mason.	85	47	56.8	0.00
Saint John's.					Georgetown.	94	44	71.0	0.00
San Carlos.	107	46	76.9	2-13	Gilroy*.	102	48	67.8	0.00
San Simon*.	105	51	74.7	4-10	Girard*.	95	48	69.2	0.40
Seliman.	95	36	68.4	3-10	Goshen.	104	56	75.7	0.00
Show Low.					Grass Valley.				
Signal*.	103	55	80.6	0-42	Hollister*.	101	48	69.6	0.00
Silver King.					Hornbrook*.	98	38	66.0	0.00
Simunos.					Hodesville f.	86	33	58.6	0.35
Stanton.					Ione*.	100	45	72.2	0.00
Strawberry.					Iowa Hill*.	95	54	72.1	0.00
Teviston.					Jolon.	107	54	67.7	0.00
Texas Hill*.	112	71	86.2	0-00	Julian.	91	52	66.7	0.00
Tip Top.					Keele*.	95	53	73.8	0.08
Tres Alamos.					Keeno*.	98	55	71.5	0.42
Tuba City.					King City*.	102	38	72.0	0.00
Tucson (1)*.	100	53	77.7	3-12	Kingsburgh*.	104	54	77.8	0.00
Walnut Grove.					Knight's Landing.	98	50	76.1	0.00
Wilcox*.	100	50	73.5	2-79	La Grange*.	105	47	76.0	0.00
Williams.	81	30	50.2	4-13	Lathrop*.	104	50	71.6	0.00
Willow Springs.					Laurel*.	99	50	69.7	0.00
Winslow.	92	46	70.6	0-31	Lemoore*.	99	57	75.1	0.00
Wood Canon.					Livermore*.	98	48	68.0	0.00
Yuma*.	102	70	84.2	0-00	Livingston*.	108	52	76.5	0.00
Arkansas.					Long Beach*.	96	59	73.1	0.00
Arkansas City f.					Los Angeles*.	100	57	72.5	0.00
Camden f.	88	53	72.0	6.84	Los Gatos*.	100	49	72.1	0.00
Conway.	91	47	69.5	4-78	Mammoth Tank*.	108	73	88.6	0.00
Deval's Bluff*.	94	40	69.4	3-30	Martinez*.	100	48	68.4	0.00
El Dorado f.	87	48	69.4	1-83	Marysville*.	99	60	82.6	0.00
Forrest City f.	90	46	70.3	2-82	Menlo Park*.	96	48	66.3	0.00
Fulton*.					Merced*.	106	52	75.3	0.00
Helena (1) f.					Modesto*.	103	55	77.0	0.00
Helena (2) f.	94	46	70.8	3-50	Mojave*.	116	60	80.5	0.27
Hot Springs.	93	50	74.7	6-50					

*Meteorological record of voluntary observers, &c.—Continued.**Meteorological record of voluntary observers, &c.—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean			Max.	Min.	Mean			Max.	Min.	Mean			Max.	Min.	Mean	
California—Cont'd.	0	0	0	Ins.	Colorado—Cont'd.	0	0	0	Ins.	Georgia—Cont'd.	0	0	0	Ins.	Indiana—Cont'd.	0	0	0	Ins.
Montague	99	48	75.5	0.00	Fort Logan	96	28	60.5	0.51	Blakely*	94	50	77.2	4.25	Huntingburgh	88	48	67.0	8.90
Monterey	88	50	65.0	0.00	Fort Lyon	101	18	65.4	0.09	Canaan	92	46	73.0	2.10	Huntington	.....	.....	.....	2.21
Monterey (Hotel del Monte)	83	48	62.6	0.00	Georgetown	77	27	52.0	0.90	Cartersville	89	43	70.6	2.79	Jeffersonville	90	40	65.1	5.49
Napa	97	50	63.4	0.00	Greeley	90	29	58.8	0.25	Columbus†	94	48	73.8	3.99	La Fayette	92	32	61.3	2.77
National City†	95	52	69.9	0.00	Husted	95	27	58.0	0.55	Diamond	81	38	67.0	5.25	Logansport†	.....	.....	.....	3.13
Newark	96	50	68.8	0.00	Idaho Springs	86	21	58.5	0.59	Duck	81	38	64.2	5.80	Marion	91	38	61.5	2.10
Newhall	102	54	71.9	0.00	Julesburg	95	28	59.9	0.35	Forsyth	94	56	75.8	3.70	Muskeg	92	31	56.0	4.78
Newman	106	52	73.5	0.00	Lairne	.....	.....	.....	.....	Fort Gaines†	99	64	81.8	1.19	Mount Vernon(1)†	88	41	63.9	5.80
Niles	96	45	68.1	0.00	La Porte	.....	.....	.....	.....	McPherson	95	42	70.2	6.09	New Providence	91	32	61.0	2.34
Norwalk	97	56	73.4	0.00	Las Animas	101	28	62.3	0.06	Guinessville†	84	44	66.1	8.45	Point Isabel	92	30	61.0	1.39
Oakland (1)	93	49	63.2	0.00	La Veta	.....	.....	.....	.....	McPhee	88	54	73.5	.....	Princeton	89	36	63.7	7.10
Oakland (2)*	90	50	63.1	0.00	Leadville	72	14	46.0	0.53	Griffin	88	48	71.8	4.12	Richmond	91	31	61.0	4.80
Ontario	100	70	83.6	0.00	Livermore	.....	.....	.....	.....	Hephzibah*	88	50	73.7	2.91	Rockville	94	36	65.0	4.25
Oroville	96	42	74.8	0.00	Longmont†	96	32	56.6	0.63	Jesup†	93	57	76.2	2.18	Rushville†	.....	.....	.....	4.13
Pajaro	88	56	64.4	0.00	Middle Box Elder	.....	.....	.....	.....	Macon†	90	46	72.9	3.00	Scalesville	91	43	67.1	8.15
Paso Robles*	101	42	67.9	0.00	Monte Vista	87	18	55.3	0.29	Marietta†	87	44	67.8	2.50	Seymour	88	39	60.2	3.45
Placerville*	99	42	66.4	0.00	Palmer Lake	91	27	55.7	1.31	Milledgeville†	90	46	72.4	2.50	Spiceland	93	36	65.0	3.80
Pocono*	92	62	76.5	0.00	Paoli	.....	.....	.....	.....	Millen†	94	45	74.4	2.47	Sunman†	91	31	62.6	5.42
Presidio of San F.	90	46	60.0	0.05	Pike's Peak	52	2	31.7	0.77	Newman†	86	46	68.8	4.14	Vevay	94	40	65.3	5.19
Puente	102	57	74.8	0.00	Rifle Falls	.....	.....	.....	.....	Pont Peter*	100	50	79.7	1.81	Worthington	83	38	61.5	5.08
Red Bluff*	105	57	76.9	0.00	Rocky Ford	98	36	60.2	0.26	Quinton(2)†	100	44	75.3	1.40	Indian Territory	.....	.....	.....	.....
Redding	104	53	76.1	0.00	San Luis Ex. Sta.	.....	.....	.....	.....	Smithville†	100	44	77.1	1.80	Eufaula†	.....	.....	.....	6.65
Riverside	96	48	71.2	0.09	Sun View	.....	.....	.....	.....	Thomasville (1)	96	48	77.2	1.82	Fort Gibson	91	38	68.9	5.63
Rocklin	105	56	75.7	0.00	T. S. Ranch	86	30	62.0	0.85	Thomasville (2)†	98	49	77.2	1.82	Fort Reno	92	39	68.4	4.48
Rumsey*	104	62	79.4	0.00	Thon	89	29	57.5	0.93	Toccoat	88	44	70.2	8.97	Fort Sill	96	38	68.9	4.69
Sacramento (1)	92	41	63.4	0.00	Upper Pine	.....	.....	.....	.....	Union Point†	92	42	71.4	1.82	Supply	95	36	68.6	2.02
Sacramento (2)	90	53	70.3	0.00	Connecticut	.....	.....	.....	.....	Washington†	88	50	73.0	2.07	Headlton†	92	52	71.2	6.52
Salinas (1)*	88	46	60.2	0.00	Birmingham	.....	.....	.....	.....	Way Cross	98	44	75.0	1.40	Oklahoma City†	92	38	66.8	4.56
Salinas (2)*	82	47	65.0	0.00	Canton	84	36	68.0	0.00	Waynesborough†	69	47	71.9	1.49	Tulsa†	.....	.....	.....	3.85
Sulton	109	60	86.9	0.00	Clark's Falls	81	40	62.6	0.00	West Point†	90	50	75.7	2.76	Iowa	.....	.....	.....	.....
Sanger Junction	112	54	78.4	0.00	Colchester	.....	.....	.....	.....	Woolley's Ford†	82	52	67.6	.....	Amana†	87	30	61.0	4.37
San Ardo*	104	45	69.0	0.00	Falls Village	.....	.....	.....	.....	Idaho	.....	.....	.....	.....	Ames†	90	32	61.2	2.47
San Diego B'ks	92	58	70.8	0.00	Fort Trumbull	82	39	64.8	4.78	Boise Barracks	88	27	58.2	0.06	Bancroft	90	26	60.2	1.19
San Fernando*	102	50	73.5	0.32	Hartford (2)	.....	.....	.....	.....	Era†	92	29	59.9	0.38	Belle Plaine†	90	28	59.0	2.94
San Gabriel*	98	58	74.3	0.00	Lebanon	.....	.....	.....	.....	Fort Sherman	86	46	54.7	0.38	Blakeville*	93	32	64.0	3.58
San Jose*	95	50	67.7	0.00	Mansfield	81	36	59.7	4.00	Lewiston	88	34	60.1	0.44	Carroll†	90	40	59.0	1.08
San Mateo*	90	45	64.8	0.00	Middletown	82	40	61.8	4.72	Soda Springs†	80	18	49.0	1.06	Carson	91	40	62.3	2.90
San Miguel*	102	48	70.4	0.00	New Britain	.....	.....	.....	.....	Illinois	.....	.....	.....	.....	Cedar Rapids	89	26	60.6	3.70
San Pedro*	102	60	75.6	0.00	New Hartford (1)	80	34	56.0	6.38	Aurora (1)	89	28	61.5	.....	Clarinda*	86	34	62.2	1.45
Santa Ana	100	60	73.8	0.00	New Hartford (2)	.....	.....	.....	.....	Aurora (2)	91	29	61.9	3.82	Clinton	91	29	61.0	3.44
Santa Barbara (1)	100	51	68.8	0.00	Newington	.....	.....	.....	.....	Benton	89	45	64.2	.....	Cresco	86	26	57.7	2.87
Santa Barbara (2)*	98	60	73.2	0.00	Shelton	81	36	62.2	0.00	Belvidere	88	32	60.2	2.12	Eagle Grove*	88	34	62.6	1.55
Santa Clara	96	43	66.9	0.00	South Manchester	.....	.....	.....	.....	Brush Hill	93	40	66.1	2.97	Eldorado†	90	30	59.8	3.56
Santa Cruz*	93	50	67.5	0.00	Thompson*	79	36	60.4	0.00	Cedarville	88	31	61.2	3.75	Estherville†	87	32	62.0	.....
Santa Margarita*	100	42	71.8	0.00	Uncasville	.....	.....	.....	.....	Centralia	90	49	65.0	3.18	Fayette†	90	23	59.1	3.62
Santa Maria	100	42	66.8	0.00	Vernon Centre	.....	.....	.....	.....	Collinsville	88	39	65.6	5.13	Fort Madison*	90	33	63.8	5.17
Santa Monica*	91	64	72.8	0.33	Voluntown	81	40	62.2	0.00	Greenville	93	35	64.1	4.24	Gillett*	.....	34	54.4	2.20
Santa Paula*	105	58	73.2	0.00	Wallingford	.....	.....	.....	.....	Hennepin	92	30	63.1	3.83	Glenwood (1)	96	34	65.2	2.07
Santa Rosé*	92	42	65.3	0.00	Waterbury	83	33	62.0	4.26	Irishtown	90	49	66.1	3.43	Glenwood (2)†	88	28	58.7	2.15
Selma	102	58	80.0	0.00	West Simsbury	.....	.....	.....	.....	Jordans Grove	90	37	65.8	2.27	Grinnell	85	33	62.6	3.84
Seven Palms*	115	70	87.4	0.00	Dakota	.....	.....	.....	.....	Lake Forest	84	39	59.3	2.22	Hampton	87	28	58.6	0.99
Shingle Springs*	99	55	76.4	0.00	Alexandria	92	32	58.1	6.25	Grand Tower†	.....	.....	.....	.....	Independence*	84	30	60.5	3.99
Stins*	99	40	64.8	0.00	Canton†	89	35	60.4	4.53	Greenville	93	35	64.1	4.24	Jefferson*	91	31	56.7	1.35
Sisson*	85	43	58.5	0.00	Clark†	92	31	55.2	5.29	Griggsville	91	40	62.9	4.56	Le Claire†	.....	24	53.7	2.43
Soledad*	98	42	63.1	0.00	Davenport	95	31	55.3	5.09	Hennepin	92	30	63.1	3.83	Logant	87	30	62.2	1.32
Soquel*	92	46	65.8	0.00	De Smet†	.....	.....	.....	.....	Irishtown	90	49	66.1	3.43	Manson*	88	32	60.4	1.26
South Side*	104	50	74.4	0.42	Fort A. Lincoln	96	26	55.9	0.54	Jordans Grove	90	37	65.8	2.27	Maquoketa†	90	32	62.2	3.37
South Vallejo*	83	50	62.4	0.00	Fort Bennett	80	32	58.9	1.10	Lacon	89	38	63.8	2.95	McCausland†	86	36	63.8	3.33
Spudra*	105	53	72.5	0.00	Port Buford	87	25	53.8	1.12	Lake Forest	84	39	59.3	2.22	McGregor*	94	27	59.1	3.62
Steeles*	99	44	67.1	0.00	Port Meade	91	28	57.2	0.67	Linck	88	32	59.1	4.71	Monticello†	90	28	61.1	2.62
Stockton (2)*	98	40	74.7	0.00	Port Randall	94	26	53.4	2.88	Louisville	87	36	62.7	5.60	Mount Pleasant†	84	36	61.1	5.42
Summit	7																		

## Meteorological record of voluntary observers, &amp;c.—Continued.

Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean	
Kansas—Cont'd.	°	°	°	Ins.
Frenmont †	102	31	66.9	0.80
Gibson	100	30	64.6	0.90
Globe	88	41	63.3	4.20
Gognac	119	19	59.0	0.19
Gorham	90	44	52.5	0.25
Grainfield	99	58	55.0	0.50
Grinnell	96	42	71.2	0.6
Hulstend	90	35	66.5	2.79
Havensville *	98	37	63.3	2.12
Hays City *	95	45	70.4	T.
Horton	96	41	64.4	1.60
Independence	98	41	66.2	7.29
Junction City	—	—	2.19	
Kanopolis	88	40	60.0	
Kellogg	96	38	68.0	4.45
Kirwin †	—	—	0.50	
La Harpe	48	64.5	53.0	
Lakin	98	42	71.2	0.16
Larned	95	34	60.0	
Monroe †	92	48	74.0	1.84
Natchitoches	90	54	73.2	1.69
New Iberia m	95	53	76.6	0.31
Plaquemine	97	54	76.2	2.82
Lisbon *	100	38	68.3	0.06
Luray	—	—	0.00	
Macksville *	95	39	66.9	
Manhattan (1) if	—	—	2.13	
Manhattan (2)	101	30	63.2	1.92
Manhattan (3) *	92	32	62.7	2.03
Marmaton	92	35	55.5	5.30
McAllaster	98	28	50.0	
McPherson	—	—	2.80	
Minneapolis	—	—	0.47	
Monument	96	30	60.0	1.20
Morse	82	34	60.4	4.85
Oakley	102	44	68.9	0.90
Oberlin †	—	—	0.30	
Offerle	97	35	64.2	1.00
Ogallala	95	40	—	
Ottawa	—	—	3.95	
Quinter	94	38	60.6	0.65
Richfield	96	32	71.8	0.22
Rome	92	36	64.4	
Russell	90	38	—	0.00
Salina †	—	—	1.50	
Santa Fe †	97	30	67.8	1.20
Scott City	—	—		
Sedan	100	42	66.3	10.59
Seneca	95	34	63.6	0.38
Sharon Springs	92	36	63.9	0.00
Shields	—	—		
Stockton	—	—	0.00	
Stolzenbach	88	32	63.0	0.70
Tribune†	96	28	64.0	0.07
Ulysses	—	—	0.16	
Vesper	—	—	1.49	
Victoria	96	39	68.9	T.
Wakefield	—	—	1.80	
Wa Keeney	92	46	—	0.05
Walker	96	34	—	
Wallace	—	—	0.05	
Wellington	93	37	66.5	3.77
Weskan	99	38	64.8	0.00
Wilson	95	38	—	0.45
Winfield	—	—	5.85	
Winona	98	36	—	0.83
Yates Center	93	34	64.0	5.15
Kentucky	—	—		
Ashland †	38	59.5	3.01	
Bowling Green	93	40	69.2	4.29
Burnside	—	—	5.29	
Canton	89	38	65.0	6.31
Catlettsburgh	—	—	3.08	
Earlington	88	38	67.4	4.86
Eddyville	—	—	4.69	
Falmouth (1) †	—	—	4.05	
Falmouth (2) †	86	40	61.8	3.31
Frankfort (2)	93	38	64.4	7.01
Franklin	92	47	68.6	3.53
Greensburg	—	—	3.30	
Louis	—	—	5.20	
Millersburg	86	43	66.2	6.60
Mount Sterling	89	40	62.9	2.47
Murray	101	39	66.7	6.06
Newport Barracks	98	36	66.2	3.75
Owenton	86	39	63.2	4.52
Paducah	—	—	5.69	
Pellville	97	37	68.8	4.23
Richmond	85	44	65.6	5.32
Shelbyville	92	36	64.4	7.29
South Fork	87	40	64.8	12.40
Springfield	92	37	64.4	4.10
Williamsburgh	—	—	5.77	
Louisiana	—	—		
Alexandria	96	48	76.0	0.33
Amite City	93	46	76.2	1.95
Cameron	104	49	78.7	3.05
Cheneyville	96	44	76.0	1.50
Clinton	93	50	74.3	2.40
Coushatta (1)	—	—	1.78	
Coushatta (2) †	92	50	74.1	1.24
Crowley	92	52	76.0	1.35
Delhi	—	—	2.00	
Donaldsonville	92	54	75.7	0.94
Edgard	96	55	75.0	4.12
Emilie	93	53	77.2	2.75

## MONTHLY WEATHER REVIEW.

## Meteorological record of voluntary observers, &amp;c.—Continued.

Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean	
Louisiana—Cont'd.	°	°	°	Ins.
Farmerville	93	49	73.6	0.80
Franklin	95	51	76.9	2.55
Girard	—	—	2.25	
Grand Cane h.	91	50	73.3	4.70
Grand Coteau	92	52	76.4	2.13
Hammond	94	48	77.4	2.98
Houma	92	52	76.6	8.50
Jackson Barracks	94	58	79.0	6.49
Jeanerette	93	58	72.6	2.92
La Fayette (2) †	93	50	76.7	1.11
Lake Charles	95	48	78.7	1.10
Liberty Hill	98	47	76.0	1.45
Luling	94	47	74.7	3.42
Mandeville	96	49	77.1	1.64
Marksville*†d	94	49	75.7	2.32
Maurepas	93	50	76.3	2.75
Melville f.	95	54	77.2	0.70
Minden †	91	54	75.8	1.18
Monroe †	92	48	74.0	1.84
Natchitoches f.	90	54	73.2	1.69
New Iberia m	95	53	76.6	0.31
Pointe à la Hache †	—	—	5.75	
Port Eads	90	62	80.2	2.10
Shell Beach	89	61	78.0	0.50
Sugar Ex. station	94	51	77.4	5.39
Thibodeaux	—	—	4.40	
Trinity	90	55	75.8	1.70
Vidalia	100	48	78.5	0.40
Viennafield†*	89	57	75.0	1.69
Michigan—Cont'd.	°	°	°	Ins.
Newburyport (2)	—	—	2.75	
Northampton	89	40	64.6	5.16
North Billerica	84	38	62.8	3.14
Plymouth	83	44	64.5	2.57
Princeton	80	33	59.3	3.32
Province town	81	41	63.8	5.08
Randolph	—	—	2.80	
Royalston	86	50	63.6	
Salem (1) *	84	45	64.0	
Salem (2)	—	—	1.45	
Somerset	87	36	65.8	3.74
Springfield Arinn'y	82	40	63.6	4.28
Swampscott	77	37	62.0	
Taunton (1)	86	39	62.0	3.02
Taunton (2)	83	38	62.4	3.69
Waltham	—	—	4.26	
Wellesley	82	36	62.6	3.80
Westborough	88	37	64.4	4.34
Williamstown	79	37	59.7	2.39
Winchester	—	—	4.61	
Worcester (1)*	82	40	64.5	3.45
Worcester (2)	81	38	61.8	
Mexico	—	—		
Guanaquato	79	48	64.4	11.88
La Logia	95	66	80.4	9.19
Leon de Aldemias	82	52	67.7	12.94
Puebla	77	50	65.3	
Topo Chico*	88	62	78.0	6.92
Topolobampo	85	70	78.5	10.31
Maine	—	—		
Adamsville	—	—	1.75	
Adrian	80	28	61.3	0.90
Albion (1)	86	32	61.4	1.07
Allegan	—	—	3.94	
Alma	92	25	60.4	0.93
Ann Arbor	85	34	61.5	1.35
Arbela	—	—	0.75	
Atlantic	90	31	55.7	2.83
Bell Branch	88	34	60.1	0.70
Berrien Harbor	91	34	61.6	0.95
Berrien Springs*	90	39	62.0	2.45
Benton Harbor	91	34	66.2	3.86
Benton Harbor	—	—	51	
Big Rapids	88	26	59.6	2.72
Birmingham	91	31	59.9	1.20
Bronson	—	—	1.33	
Buchanan	89	38	61.7	3.13
Catunet	82	37	54.6	3.86
Charlevoix	88	35	56.6	2.00
Chase	88	31	57.6	3.19
Colon	90	40	62.1	1.33
Columbia	89	32	53.1	0.99
Columbus	80	26	53.0	2.11
Concord	89	30	61.2	0.74
Deer Lake	86	30	60.4	2.11
East Tawas	93	32	58.5	0.62
Evan	80	20	52.2	2.83
Fitchburgh	—	—	0.73	
Flint	92	27	60.6	0.84
Fort Brady	80	31	58.6	4.93
Fort Mackinac	75	30	57.1	4.34
Fort Wayne	89	32	60.2	3.74
Fremont	—	—	1.33	
Gladwin	99	21	58.6	1.61
Grand Rapids	86	31	61.5	2.34
Grape	—	—	1.69	
Grayling	89	25	57.1	3.79
Hanover	88	32	61.7	1.32
Harrisville	84	20	54.4	2.55
Hart	90	20	61.2	1.57
Hastings	86	30	57.2	2.94
Hillman	94	27	57.2	
Hillsdale	86	35	61.7	1.19
Highland Station	95	36	60.9	0.35
Hudson	85	25	58.4	1.06
Ionia	90	38	61.1	1.33
Ivan	88	32	58.3	4.17
Judd	94	32	55.4	1.39
Kalamazoo	87	34	62.4	1.90
Lansing	89	28	60.9	0.83
Lathrop	86	28	54.2	2.94
Madison	89	31	58.0	1.13
Marshall	93	28	61.4	0.07
Montague	90	29	60.9	2.00
Mottville	92	25	60.6	0.91
Noble	—	—	2.60	
North Adams	89	29	57.4	1.22
North Marshall	90	30	62.0	
Olivet	99	33	59.6	1.01
Otsego	88	32	60.7	
Ovid	88	27	60.6	0.76
Paw Paw	91	29	63.6	3.27
Pontiac	84	38	61.4	0.76
Pulaski	—	—	6.00	
Rawsonville	88	32	61.4	1.13
Romeo	99	33	61.9	1.00
Rosecrans	86	26	56.4	4.12
Saint Ignace	78	32	55.5	4.50
Saint John's	99	32	62.5	0.97
Saint John's	—	—	1.20	
Saint Joseph	84	38	61.4	0.76
Sedalia	—</			

*Meteorological record of voluntary observers, &c.—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean	
	Max.	Min.	Mean	
<i>Montana—Cont'd.</i>	°	°	°	<i>Ins.</i>
Fort Keogh	87	29	54.9	1.06
Fort Logan	82	16	49.3	0.81
Fort Maginnis	88	24	64.5	1.43
Fort Missoula	82	20	52.0	0.33
Fort Shaw	90	26	55.2	0.35
Galpin	89	31	55.8	2.95
Kintyre			1.25	
Powder River	90	29	55.5	0.90
Sheldon	80	32	51.8	1.00
Virginia City	79	28	51.3	0.29
<i>Nebraska.</i>				
Alliance	93	33	59.6	1.56
Ansley	91	31	59.8	0.40
Ashland	92	33	63.5	2.03
Bingham	93	28	56.0	1.75
Craig	83	36	61.2	1.61
Creighton	101	32	57.5	3.70
Crete	91	34	61.3	1.97
Culbertson (1)			0.85	
Culbertson (2)	98	30	59.1	0.83
De Soto	87	33	62.1	0.85
Fairbury	86		2.46	
Falls City	94	34	63.9	1.12
Fort Niobrara	98	26	58.0	1.39
Fort Omaha	87	35	62.7	1.79
Fort Robinson	97	24	58.3	0.38
Fort Sidney	100	25	59.7	0.00
Fremont	86	39	65.3	1.40
Genoa	88	36	60.6	1.76
Gering	96	32	60.7	0.21
Grand Island	82	38	57.5	0.87
Hay Springs	95	24	54.6	0.64
Holmesville	98	40	66.1	1.35
Howe	89	32	65.5	1.08
Kennedy	96	36	58.9	1.28
Marquette	89	38	63.2	3.72
Nebraska City			1.22	
North Loup	87	31	58.1	1.60
Oakdale	89	29	57.3	1.47
Plattsmouth			2.90	
Syracuse	89	37	64.7	1.03
Tecumseh	82	39	64.1	1.50
Weeping Water	89	31	60.8	2.49
Weston	89	37	63.2	1.84
West Point	86			
<i>Nevada.</i>				
Belmont	82	35	62.0	0.01
Beowawe (1)	90	49	63.6	0.00
Brown's	100	45	69.7	0.00
Burner's Ranch			T.	
Candelaria	85	37	64.4	0.00
Carlton	90	39	58.3	0.10
Carson City	92	26	60.8	0.11
Crane's Ranch			0.11	
Downeyville	92	42	69.0	0.00
El Dorado	110	60	84.4	0.48
Elko (1)	85	28	53.7	0.03
Elko (2)	94	13	54.2	0.00
Ely	81	23	54.2	0.50
Eureka	89	24	58.9	0.00
Fenelon	100	38	64.0	0.05
Ferguson's Ranch	92	39	61.2	0.00
Genoa	88	29	62.1	0.00
Golconda	92	38	65.5	0.00
Halleck	91	30	57.0	0.00
Hawthorne (1)	98	48	63.8	0.82
Hawthorne (2)	92	38	66.0	0.00
Hot Springs (1)	95	32	62.4	0.00
Humboldt (1)	90	46	62.1	0.00
Humboldt (2)	90	40	60.2	0.00
Lewer's Ranch	90	33	64.4	0.00
Mill City	94	40	56.2	0.00
Palisade	88	29	62.5	0.05
Pioche			2.00	
Punch Bowl	77	29	56.9	0.00
Reno	88	34	61.3	0.00
Reno State Univ'y	91	35	57.8	0.00
Ruby Hill	73	21	50.8	0.00
Saint Clair	90	30	60.8	0.00
Sodaville	97	35	68.2	0.00
Teocoma	88	38	63.6	0.30
Toano	88	32	61.5	0.37
Tuscarora	80	25	54.2	0.00
Verdi	93	37	63.1	0.00
Virginia City	85	38	65.6	0.00
Wadsworth	93	38	66.5	0.00
Wells	95	20	57.5	0.00
Winemucca	86	40	60.0	0.00
Yount's Ranch	96	48	72.9	0.30
<i>New Hampshire.</i>				
Antrim			3.04	
Belmont			6.29	
Berlin Falls	83	26	55.4	0.29
Berlin Mills	88	40	62.4	5.84
Bristol			4.42	
Concord	82	37	61.1	3.80
Hanover (1)	79	36	58.7	3.52
Hanover (2)	88	33	58.2	3.58
Lake Village			5.29	
Manchester (1)	84	35	61.5	3.92
Manchester (2)	88	36	62.3	4.34
Mine Falls			4.42	
Nashua	85	36	61.3	3.11
Newton	84	36	60.9	4.23

*Meteorological record of voluntary observers, &c.—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean	
	Max.	Min.	Mean	
<i>New Hampshire—Cont'd.</i>	°	°	°	<i>Ins.</i>
North Chesterfield	81	25	57.1	5.92
North Conway	85	34	59.5	3.43
North Sutton	80	40	57.9	3.71
Pennichuck Sta.				2.92
Plymouth	88	36	59.8	4.03
Quaker Village	81	32	59.4	3.49
Stratford	90	32	61.0	6.52
Walpole	78	34	58.0	3.47
West Milford	84	31	55.6	4.66
Weir's Bridge				5.11
Wolfborough				3.86
<i>New Jersey.</i>				
Allaire	89	35	63.6	.....
Ashbury Park	80	43	66.6	6.18
Beverly	88	41	64.0	8.22
Billingport L. H.	86	47	65.6	8.22
Bridgeton	85	48	67.0	3.97
Cape May C. H.	89	46	65.8	.....
Egg Harbor City	83	40	63.7	10.73
Freehold	86	41	63.8	10.93
Gillette	87	40	63.1	9.94
Hanover	83	34	60.4	9.24
Highland Park	87	41	64.0	7.49
Hopewell				10.90
Imlaystown	80	42	54.0	11.29
Jersey City	84	46	64.0	9.09
Lambertville	88	43	65.2	10.84
Locktown	85	39	63.9	7.97
Madison	90	39	63.0	9.70
Moorestown	84	44	63.7	6.10
Newark	81	45	64.4	8.23
New Brunswick (1)	84	47	67.0	7.83
New Brunswick (2)	86	43	65.3	8.63
New Brunswick (3)	85	41	64.1	8.00
Ocean City	83	50	66.9	6.80
Oceanic	85	45	66.2	8.76
Plainfield	90	38	63.7	13.13
Princeton	85	46	64.4	8.59
Rancocas				6.37
Readington	88	50	67.8	.....
Tenafly	89	37	63.4	11.31
Trenton	88	46	67.0	10.13
Union	81	45	63.0	9.68
Valley				6.45
Woodbury	86	44	66.1	6.81
<i>New Mexico.</i>				
Albuquerque	89	35	66.0	0.18
Coolidge	93	25	59.0	0.90
Eddy			T.	
Fort Bayard	89	37	64.5	2.19
Fort Marcy	87	27	60.0	0.72
Fort Selden	104	39	70.2	1.62
Fort Stanton	88	32	59.8	2.65
Fort Union	81	24	53.6	0.58
Gallinas Spring	89	37	68.4	0.45
Hillsborough	91	39	65.4	3.93
Las Vegas	89	28	56.2	0.80
Lordsburg	95	46	73.1	1.76
Nogal				3.54
Red Canyon				1.57
Springer				0.50
<i>New York.</i>				
Alfred Centre	80	34	57.8	1.82
Angelica	84	30	58.1	2.34
Ardenia	83	48	63.8	5.61
Auburn	80	39	60.7	4.10
Boyd's Corners	86	41	64.1	6.13
Canton	84	34	57.8	2.67
Constableville	83	33	56.5	3.15
Cooperstown	80	36	58.7	3.87
Davids Island	83	42	64.4	4.78
Edon	90	44	64.0	7.62
Elimira	84	40	63.3	1.97
Factoryville	83	34	59.8	3.30
Humboldt (1)	90	46	62.1	0.00
Humboldt (2)	90	40	60.2	0.00
Cooperstown	80	36	58.3	4.36
Davidson	83	42	64.4	4.78
Edon	90	44	64.0	7.62
Edon	90	40	63.3	1.97
Lordstown	90	34	61.3	2.67
Marietta (1)				2.78
Marietta (2)	90	39	64.7	3.18
McConnellsburg	93	36	64.6	3.82
Napoleon	88	33	62.2	1.70
New Alexandria	89	39	63.7	2.47
New Athens	92	45	65.1	3.50
New Comerstown	91	37	61.0	4.55
North Lewisburgh	94	36	64.3	3.75
Oberlin	87	40	63.0	4.46
O. S. University	93	31	62.6	3.77
Orangeville				3.40
Ottawa				1.66
Poland				4.74
Pomeroy	92	38	67.0	3.06
Portsmouth (1)				3.47
Portsmouth (2)	89	40	63.8	3.49
Shanesville	91	41	64.4	2.41
Siloh	90	33	59.6	3.00
Sidney	90	31	63.0	4.48
Springborough				2.53
Tiffin	89	40	63.4	2.04
Upper Sandusky	89	35	62.1	2.68
Veneta	90	39	61.6	3.15
Wapakoneta	92	31	65.6	1.80
Waauseon	90	28	61.0	0.79
Waverly	91	37	65.8	4.66
Westerville	90	34	66.6	3.21
Weymouth	95	37	68.1	4.05
Westerly				4.14
Wooster	92	37	60.8	4.05
Yellow Springs	89	33	62.7	2.27
Youngstown	90	36	63.8	4.25
Zanesville				3.27
Oregon.				
Albany	97	32	61.6	1.74
Ashland	89	39	62.1	0.00
Bandon	80	36	55.4	1.60
Beulah	93	24	60.8	T.
Cascade Locks	82	35	59.0	4.95
Creswell	88	29	62.0	1.33
East Portland	87	31	64.0	0.68
Eola	91	46	61.2	1.80
Gardiner	95	29	60.0	2.92
Grant's Pass	98	29	61.1	0.04
Heppner	91	31	58.4	0.16
Hood River	84	42	60.4	1.39
Jacksonville	95	38</		

## Meteorological record of voluntary observers, &amp;c.—Continued.

Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.	
	Max.	Min.	Mean			Max.	Min.	Mean		
Rhode Island.	o	o	o	Ins.	Texas—Cont'd.	o	o	o	Ins.	
Bristol	79	44	64.4	4.41	College Station	94	57	76.1	14.4	
Fort Adams	86	38	62.4	3.56	Columbia Station	90	54	76.6	7.23	
Kingston (1)	80	36	61.6	4.61	Corsicana (1)	.....	.....	5.33	.....	
Kingston (2)	81	35	61.8	5.52	Corsicana (2)	92	52	73.2	7.02	
Lonsdale	.....	.....	4.48	.....	Cuero	94	39	71.8	6.99	
Newport	76	46	63.6	.....	Dallas (2)†	94	50	74.8	6.09	
Olneyville	86	43	65.7	.....	Decatur	94	49	69.4	9.50	
Pawtucket	.....	.....	4.78	.....	Duval	94	52	71.2	6.00	
Providence (2)	82	39	63.9	5.03	Edinburgh	.....	.....	4.50	.....	
Woonsocket	82	38	62.1	4.67	Epworth	80*	52	72.0	0.45	
South Carolina.	.....	.....	.....	.....	Forestburgh	94	48*	73.3	12.25	
Allendale	92	44	74.0	2.81	Fort Bliss	101	41	71.7	2.07	
Batesburgh	92	40	70.8	2.90	Fort Brown	92	55	77.4	7.44	
Belmont	89	46	67.5	2.66	Fort Clark	96	46	72.0	6.27	
Blackville	92	46	74.0	3.52	Fort Davis	90	33	65.5	3.51	
Branchville	90	42	73.4	1.88	Fort Elliott	95	41	68.3	1.95	
Brewer Mine	94	44	69.0	2.58	Fort Hancock	97	23	65.5	1.91	
Cedar Springs	88	40	67.3	5.31	Fort McIntosh	97	49	75.7	7.39	
Cheraw	94	44	71.4	3.95	Fort Ringgold	99	49	77.2	2.52	
Chester	98	42	73.1	1.91	Fort Worth	91	47	72.9	3.72	
Clinton	85	42	63.5	3.72	Fredericksburgh	92	52	69.6	5.84	
Gowney	87	49	68.0	5.55	Gainesville*	89	44	70.5	15.43	
Florence	90	48	73.0	1.46	Gallinas	95	51	72.9	5.75	
Greenville	88	42	69.6	5.56	Graham	97	41	69.8	17.74	
Greenwood	90	48	72.4	3.01	Granbury	99	50	72.2	6.17	
Hardeeville	92	48	74.8	6.87	Hartley	102	32	73.9	0.50	
Jacksonborough	92	44	73.2	2.86	Hearne	90	52	72.6	6.15	
Kingstreet	92	42	72.6	3.51	Houston	92	54	75.7	6.33	
Kirkwood*	45	67.4	4.03	Howe	93	47	69.1	10.03		
Port Royal*	90	59	75.7	2.00	Huntsville	98	51	75.0	2.07	
Saint Georges	92	44	72.8	3.83	La Grange	.....	52	74.0	6.50	
Saint Matthew	92	46	73.2	2.59	Lamplas	91	50	73.0	3.16	
Simpsonville	89	42	70.7	4.10	Longview	96	52	74.1	4.71	
Spartanburgh (2)†	90	38	68.0	3.66	Lufing	94	54	75.3	5.56	
Statesburgh	86	49	70.9	3.23	Menardville	93	50	68.2	4.54	
Timmonsville	84	57	70.5	2.07	Merkel	.....	44	67.7	3.91	
Trial	92	45	68.0	3.28	Mesquite	94	44	73.0	5.22	
Walhalla	85	42	63.5	7.37	Miami	.....	.....	0.50	.....	
Winnisborough	90	44	67.0	2.78	Nasavota	87*	.....	78.6	4.53	
Yorkville	92	44	68.0	3.31	New Braunfels	90*	54	73.5	7.96	
Tennessee.	.....	.....	.....	New Ulm	92	54	74.6	4.35		
Andersonville	86	41	65.2	8.58	Orange	90	70	81.4	2.80	
Arlington	92	46	68.4	2.70	Panhandle	95	36	65.0	0.45	
Ashwood	87	41	67.9	4.87	Paris	96	50	72.6	6.85	
Austin	90	49	69.7	3.59	Pecos City	99	55	68.6	0.70	
Bolivar (1)	95	49	75.0	7.10	Round Rocks	96	56	74.7	6.00	
Bolivar (2)	94	42	70.3	4.65	San Antonio	100	30	69.9	4.45	
Brownsville	92	52	73.0	4.28	Silver Falls	96	38	70.7	1.50	
Carthage	92	47	71.3	1.73	Snyders	.....	52	64.0	6.50	
Charleston	92	47	73.7	2.29	Tyler	94	50	73.3	4.85	
Clarksville	89	41	67.8	5.29	Waco (1)*	89	54	69.2	5.30	
Clinton	.....	.....	9.91	Waco (2)†	94	50	74.0	4.95		
Cog Hill	88	46	72.5	5.70	Utah.	.....	.....	.....	.....	
Columbia	.....	.....	3.79	Alta	.....	.....	0.00	.....		
Covington (1)	87	51	69.0	5.69	Beaver	87	27	59.8	0.40	
Covington (2)†	90	46	68.2	4.50	Bingham	.....	0.25	.....	.....	
Dunlap	90	45	69.3	8.69	Corinne	90	38	62.4	0.25	
Dyersburgh	94	44	69.0	6.62	Fort Douglas	87	32	61.5	0.52	
Fayetteville	91	44	70.0	4.47	Fort DuChesne	91	27	58.1	0.34	
Florence Station	86	44	67.2	4.54	Kelton	87	44	60.9	0.00	
Fostoria	88	42	62.6	7.60	Levan	89	38	58.4	0.02	
Grand Junction	91	46	70.9	6.90	Looseef	89	38	58.4	0.02	
Greenville	83	41	64.3	2.06	Mount Carmel	86	32	55.7	0.34	
Grief	90	43	69.6	8.60	Mount Pleasant	69	25	45.2	0.55	
Hohenwald	90	38	63.9	6.25	Nephi	91	25	59.5	0.40	
Jacksborough	86	38	65.0	7.62	Ogden (1)*	82	32	59.3	0.65	
Johnsonville	.....	.....	8.34	Ogden (2)	.....	0.56	0.00	.....		
Kingston (1)	92	43	69.3	6.23	Park City	.....	0.40	0.00	.....	
Kingston Springs	87	37	65.5	8.22	Promontory	88	40	60.0	0.44	
Lawrenceburg	88	34	63.4	4.89	Provo City	88	27	57.8	0.50	
Leeville	95	43	69.7	3.88	Richfield	87	26	57.8	0.50	
Lewisburgh	90	42	67.0	3.86	Saint George	102	46	72.8	1.26	
Lookout Mountain	88	45	66.8	5.58	Stockton	.....	0.13	0.00	.....	
Loudon	.....	.....	8.30	Terrace	85	48	64.8	0.00		
Lynnville	86	46	64.5	5.35	Vermont	.....	0.00	0.00	.....	
McKenzie	91	46	71.6	4.25	Brattleborough (1)	84	32	66.4	3.87	
McMinnville	87	43	65.4	4.40	Brattleborough (2)	82	33	60.4	4.31	
Milan (1)	91	44	67.4	4.85	Burlington	82	38	68.1	4.82	
Milan (2)†	94	40	69.2	4.71	Chestnut	75	35	55.4	4.95	
Nunnelly	90	38	65.9	7.64	Stratford	80	34	61.1	5.00	
Parksville	88	42	67.1	3.31	Vernon	82	36	61.7	5.58	
Riddleton	89	37	66.6	4.93	Abingdon	87	48	68.2	3.18	
Rockwood	.....	.....	7.43	Birdsnest	87	48	68.2	6.70		
Rogersville	90	43	66.3	3.39	Bolar	80	32	57.6	8.60	
Rugby	85	42	63.7	6.43	Christiansburgh	84	33	62.7	4.01	
Savannah	92	46	68.6	5.77	Dale Enterprise	87	38	66.2	6.70	
Springdale	94	41	65.9	6.47	Fort Monroe	86	42	68.2	4.40	
Strawberry Plains	.....	.....	6.17	Fort Myer	86	40	64.5	3.47		
Trenton	86	43	66.3	6.43	Lexington	86	32	66.9	4.88	
Tullahoma	85	49	63.9	1.85	Middletown	88	40	60.0	1.92	
Watkins	94	46	71.2	4.58	Mossiford	88	36	70.9	5.50	
Waynesborough	90	42	67.0	4.75	Nottingham	92	36	64.0	5.47	
Woodstock	92	50	70.3	3.95	Woodstock	89	41	67.5	5.60	
Texas.	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Austin (1)	92	51	75.8	6.12	Cont'd.	.....	.....	.....	.....	.....
Austin (2)†	90	58	.....	.....	.....	.....	.....	.....	.....	.....
Belton	94	53	74.4	5.40	.....	.....	.....	.....	.....	.....
Brady	93	46	68.6	5.92	.....	.....	.....	.....	.....	.....
Brazoria	88*	55	74.5	9.53	.....	.....	.....	.....	.....	.....
Brownham	94	56	76.1	5.83	.....	.....	.....	.....	.....	.....
Brownwood	93*	42	71.3	5.20	.....	.....	.....	.....	.....	.....
Camp Eagle Pass	99	59	75.3	5.33	.....	.....	.....	.....	.....	.....
C'p Penn Colorado	92	33	68.6	3.45	.....	.....	.....	.....	.....	.....
Cleburne	86	42	68.8	1.87	.....	.....	.....	.....	.....	.....
Coldwater	.....	.....	0.50	.....	.....	.....	.....	.....	.....	.....

## Meteorological record of voluntary observers, &amp;c.—Continued.

Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean			Max.	Min.	Mean	
Virginia—Cont'd.	o	o	o	Ins.	Virginia—Cont'd.	o	o	o	Ins.
Smithfield	85	43	66.8	4.29	Smithfield	90	54	66.2	5.50
Spottsville	90	34	63.0	.....	Summit	85	34	69.0	3.40
University of Va.	.....	.....	.....	.....	Wytheville	.....	.....	.....	.....
Woodstock	.....	.....	.....	.....	Washington Territory.	.....	.....	.....	.....
Wytheville	.....	.....	.....	.....	Woodstock	.....	.....	.....	.....
Wisconsin—Cont'd.	o	o	o	Ins.	Wisconsin—Cont'd.	o	o	o	Ins.
Euburra	86	38	60.9	2.75	Euburra	88	32	59.6	4.79
Fond du Lac	88	30	61.2	2.62	Fond du Lac	92	31	57.8	4.01
Friendship	.....	.....	.....	.....	Friendship	.....	.....	.....	.....
Glasgow	86	32	55.7	2.83	Glasgow	86	31	52.4	3.01
Grantsburg	86	31	57.4	2.00	Grantsburg	86	31	52.4	2.00
Grayside	88	34	60.4	2.20	Grayside	88	40	62.6	2.20
Greenwood	86	21	54.0	2.51	Greenwood	86	21	54.0	2.51
Haywood	88								